

**Amendments to the Abstract:**

Please replace the abstract with the following rewritten abstract.

**ABSTRACT**

First and second reactance parts  $[(18, 20)]$  are connected with the first and second output terminals  $[(14, 16)]$  of a hybrid coupler  $[(12)]$ . The first and second reactance parts  $[(18, 20)]$  have a substantially identical reactance  $X$ .